

## No Data in SWAT Results

Posted by Carlene - 2009/09/02 17:02

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I tried everything suggested in previous discussion but I'm having the same problem (no data in swat results). Could someone have a look at my data and see if something's wrong? Thank you.  
<http://www.tucson.ars.ag.gov/agwa/images/fbfiles/files/Data-d9a23dcaa019654c147eeee69ef57d5b.zip>

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## Re:No Data in SWAT Results

Posted by isburns - 2009/09/03 08:01

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Hi Carlene,

Sorry it's taken so long to get back to you. Things have been very busy here. I haven't had a chance to look at your files yet, but I will shortly. You're using FAO soils, correct? That may be the problem. Not to get too technical, but when writing the input files that were parameterized with FAO soils a query fails during the writing of the .SOL files. This causes the .SOL files to not be written completely, thus execution of the model fails. Because the model has not run successfully, the result is no data in the SWAT results.

I have attached a version I believe should work around this problem, but the tradeoff is that it won't work with SSURGO/STATSGO soils with MUKEY field. The failed query is a result of a bug in ArcMap that causes the type of field to be detected differently at different stages of the AGWA workflow.

Shea

[http://www.tucson.ars.ag.gov/agwa/images/fbfiles/files/FAO\\_AGWA2\\_Setup.zip](http://www.tucson.ars.ag.gov/agwa/images/fbfiles/files/FAO_AGWA2_Setup.zip)

Note for others. This fix is ONLY for SWAT parameterizations utilizing FAO soils or the old STATSGO soils with MUID. Any software updates to the website subsequent to 9/3/2009 will include a refactored soils parameterization that works for SSURGO, STATSGO (MUID and MUKEY), and FAO.

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## Re:No Data in SWAT Results

Posted by Carlene - 2009/09/03 16:18

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Hi Shea,

It's ok, it has been a fun and learning experience for me.

Yes, I am using FAO soils. Thanks for the information. I would try it and let you know how it goes.

Regards,  
Carlene

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## Re:No Data in SWAT Results

Posted by Carlene - 2009/09/08 15:11

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Hey Shea,

I've tried the new AGWA you sent me and I'm having the same problem. Maybe it's one of my datasets.

Carlene

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## Re:No Data in SWAT Results

Posted by Carlene - 2009/09/15 15:40

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Hey Shea,

Did you get a chance to look at my datasets?

Carlene

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## Re:No Data in SWAT Results

Posted by isburns - 2009/09/15 18:49

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Hi Carlene,

I haven't had a chance to look at them yet, I will try to make some time in the next day or two.

Shea

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## Re:No Data in SWAT Results

Posted by Carlene - 2009/09/16 14:44

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Hi Shea,

I was playing around with the data yesterday and was able to get results.

Initially I was using the default CSA value of 2.5%, I increased that value and got results.

My question to you is; why did increasing the CSA value make the difference?

Regards,  
Carlene

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## Re:No Data in SWAT Results

Posted by isburns - 2009/10/05 19:42

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Carlene,

Sorry, I never found the time to look at your attachment. I'll take a look now and see if I can figure out why changing the CSA made it work. The first thing that comes to mind though is that the dominant soil type for one of your subwatersheds changed as a result of the change in size of the subwatershed. If, before, the subwatershed had a dominant soil type of water, bedrock, or some other special case, that would cause SWAT to crash.

I noticed the area you uploaded looks like a subset of your data. Was the crash also occurring when you used the delineation and discretization from this data? If so, what CSA did it crash at and what CSA did it work at?

Thanks  
Shea

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## Re:No Data in SWAT Results

Posted by danielz - 2009/10/23 09:12

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i also getting this problem. so how do i get the solution

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## Re:No Data in SWAT Results

Posted by isburns - 2009/11/05 23:06

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I found a bug in the FAO soils parameterization that was preventing the successful parameterization for both KINEROS and SWAT. The bug fix is currently only in the version for ArcGIS 9.3.1. You will also need to download updated FAO soils look-up tables.

Updated installer for ArcGIS 9.3.1  
Updated FAO soils tables

Shea

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